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ILLINOIS DEPARTMENT OF CONSERVATION  
BUREAU OF NATURAL RESOURCES  
DIVISION OF FISH AND WILDLIFE RESOURCES

1982 INVENTORY OF ILLINOIS  
SURFACE WATER RESOURCES

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April 1983



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## 1982 INVENTORY OF ILLINOIS SURFACE WATER RESOURCES

### INTRODUCTION

The first Illinois surface water inventory was published by the Division of Fisheries in February 1964 as Special Fisheries Report Number 1. District biologists collected the data for this first inventory from aerial photographs on file in each county Agricultural Stabilization and Conservation Service office, from interviews with county Soil Conservation Service personnel and from data in their own district files.

The original 1964 survey was updated by the 1972 Illinois Surface Water Inventory, published in August 1973 as Special Fisheries Report Number 40 and the 1978 Inventory of Illinois Surface Water Resources published in September 1979.

This 1982 Inventory of Illinois Surface Water Resources is a supplement to these earlier surveys and serves to update the surface water inventory to include all waters in the state as of December 31, 1982. The basis for this update is the "new impoundment construction data" collected for each county by the district fisheries managers and published annually. At the end of each year, the biologists contact each county Soil Conservation Service office, as well as other agencies, and compile a list of all new impoundments built during the past year for each county. The data collected includes the size of the new impoundment in acres and the ownership classification.

### Classification of Surface Waters

Surface waters are permanent, open bodies of water 0.1 acre or larger. They are separated from wetlands by their permanence and by their general lack of emergent woody or graminoid vegetation. There are four subclasses: Lake Michigan, Reservoir, Impoundment, and Stream.

#### Lake Michigan:

Only about 7% of Lake Michigan is within the State of Illinois' jurisdiction and only that portion which is in Illinois is included in this inventory.

#### Reservoirs:

This classification includes only the three Corps of Engineers reservoirs (Carlyle, Rend and Shelbyville).

#### Impoundments:

This classification includes all standing bodies of water (lakes and ponds) constructed by artificial means or formed by nature, except Lake Michigan and the three Corps reservoirs. Impoundments are further divided into categories according to ownership as follows:

1. State: This category includes all impoundments owned or leased by the Illinois Department of Conservation.





2. Public: This category includes all impoundments owned or leased by a government agency, other than the Illinois Department of Conservation, that have public access.
3. Organization: This category includes all impoundments owned or leased by any organization of six or more members. Included are sportsmen clubs, scouts, church, civic, fraternal, associations, homeowner groups, country clubs, industrial, institutions, etc.
4. Commercial: This category includes all impoundments privately owned or leased for which a fee is charged for fishing. These areas are licensed by the Illinois Department of Conservation.
5. Private: This category includes all impoundments privately owned or leased which are not organizations or commercial areas.

Streams: This classification includes all flowing waters such as canals, creeks and rivers, regardless of ownership or leasing. Streams are further divided into four width categories as measured by their average width in a county. Intermittent streams are not included in the inventory.





TABLE 1. ILLINOIS SURFACE WATER RESOURCES (1982)\*

## STATEWIDE SUMMARY

Water Resource Type	Category	Number	Acres	Total Acres
Lake Michigan (Ill. portion only)		1	976,640.00	976,640.00
Reservoirs		3	54,580.00	54,580.00
Impoundments:				
	State	220	31,849.85	
	Public	647	77,631.55	
	Organization	1,984	24,851.50	
	Commercial	507	3,045.20	
	Private	80,957	110,546.30	
	Total	<u>84,315</u>	<u>247,924.40</u>	247,924.40
MILES				
Streams:	0- 20 ft. wide	4,915.4	7,159.00	
	21-100 ft. wide	5,916.5	29,884.00	
	101-300 ft. wide	992.4	17,753.00	
	301 plus ft. wide	1,379.7	201,778.00	
	Total	<u>13,204.0</u>	<u>256,574.00</u>	256,574.00
GRAND TOTAL SURFACE WATER ACREAGE			-----	<u><u>1,535,718.40</u></u>

\*As of December 31, 1982.





REGIONAL AND COUNTY SUMMARY  
OF SURFACE WATERS  
BY WATER TYPES





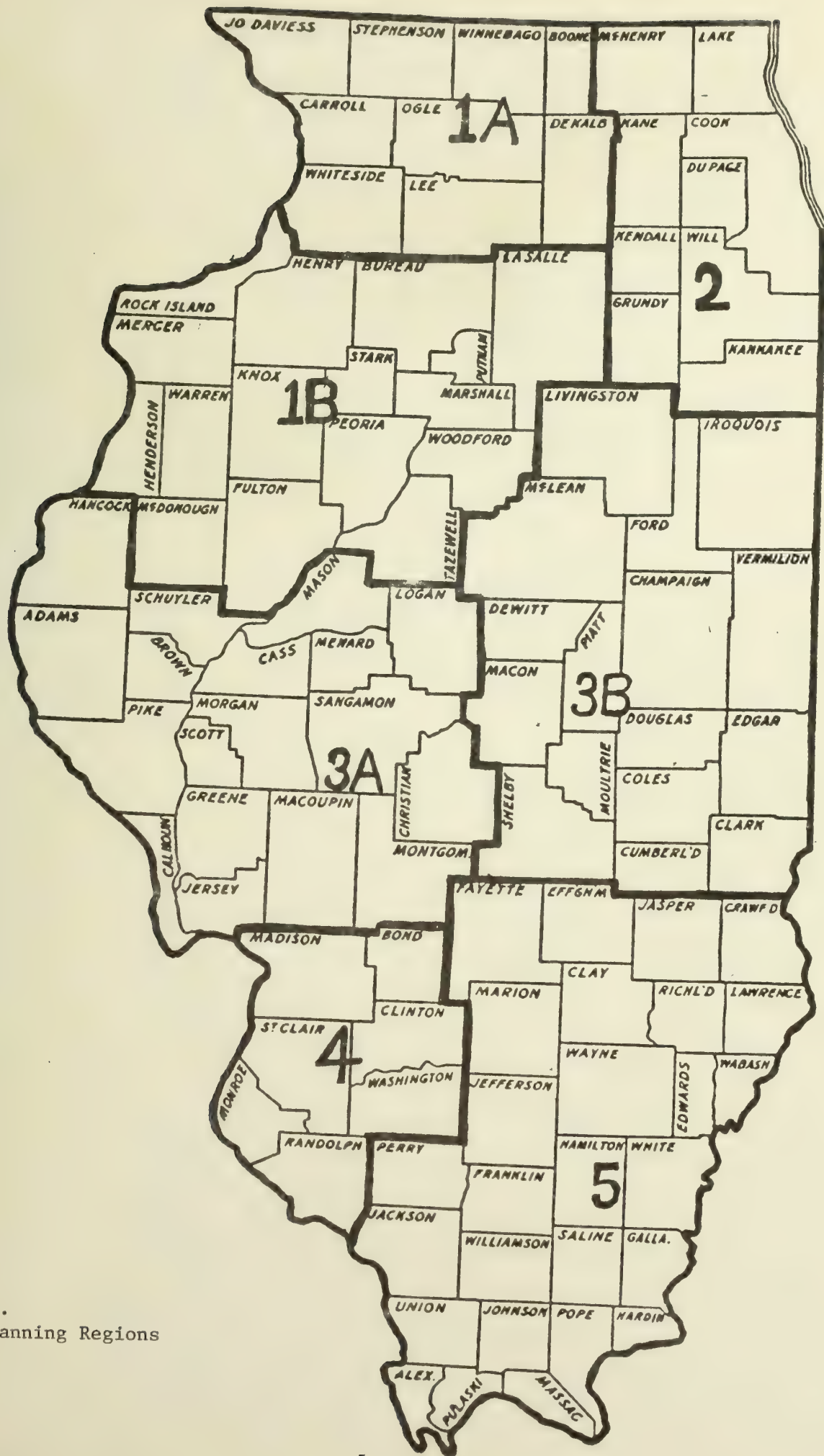


Figure 1.  
State Planning Regions





Table 2. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION SUMMARY

REGION	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
1A					1,648	10,720.95	1,835.7	38,772.00	49,492.95
1B					9,919	46,532.79	2,639.9	69,454.00	115,986.79
2	1	976,640.0			5,681	38,554.75	1,635.4	18,835.00	1,034,029.75
3A					18,240	58,006.05	2,427.2	73,385.00	131,391.05
3B			1	11,100.00	5,522	19,645.14	1,676.1	6,978.00	37,723.14
4			1	19,780.00	10,322	19,534.85	812.0	20,137.00	59,451.85
5			1	23,700.00	32,983	54,929.87	2,177.7	29,013.00	107,642.87
Total	1	976,640.0	3	54,580.00	84,315	247,924.40	13,204.0 Miles	256,574.00	1,535,718.40





Table 2a. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION 1A - COUNTY SUMMARY

REGION 1A (9 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Boone			117	542.50			134.7	349.00	891.50
Carroll			145	4,925.50			175.3	9,521.00	14,446.50
DeKalb			177	606.20			249.8	617.00	1,223.20
JoDaviess			164	1,477.50			190.8	9,892.00	11,369.50
Lee			395	744.90			190.0	2,781.00	3,525.90
Ogle			153	285.95			200.5	3,072.00	3,357.95
Stephenson			136	267.30			152.1	839.00	1,106.30
Whiteside			152	809.90			321.2	8,610.00	9,419.90
Winnebago			209	1,061.20			221.3	3,091.00	4,152.20
Total	---	-----	1,648	10,720.95			1,835.7	38,772.00	49,492.95



Table 2b. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION 1B - COUNTY SUMMARY

REGION 1B (16 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Bureau					253	2,187.40	280.2	1,464.00	3,651.40
Fulton					2,692	11,963.10	310.2	3,122.00	15,085.10
Henderson					294	1,022.25	131.0	12,110.00	13,132.25
Henry					418	890.00	196.6	1,964.00	2,854.00
Knox					1,583	2,349.50	176.3	577.00	2,926.50
LaSalle					637	3,494.95	223.0	5,843.00	9,337.95
Marshall					145	6,115.50	90.0	2,706.00	8,821.50
McDonough					624	791.40	121.0	270.00	1,061.40
Mercer					570	1,469.10	167.5	6,910.00	8,379.10
Peoria					982	1,611.69	158.7	496.00	2,107.69
Putnam					110	7,250.40	20.4	914.00	8,164.40
Rock Island					315	777.00	237.9	15,912.00	16,689.00
Stark					94	190.40	103.4	287.00	477.40
Tazewell					467	4,206.00	186.0	3,340.00	7,546.00
Warren					325	715.50	137.6	574.00	1,289.50
Woodford					410	1,498.60	100.1	12,965.00	14,463.60
Total	---	-----	---	-----	9,919	46,532.79	2,639.9	69,454.00	115,986.79





Table 2c. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION 2 -- COUNTY SUMMARY

REGION 2 (9 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Cook	-	429,722.00			1,277	7,775.85	409.4	3,708.00	441,205.85
DuPage					578	1,224.20	111.1	574.00	1,798.20
Grundy					244	3,421.55	158.9	2,931.00	6,352.55
Kane					486	809.60	194.9	1,534.00	2,343.60
Kankakee					143	524.50	89.7	1,877.00	2,401.50
Kendall					170	253.75	81.1	1,189.00	1,422.75
Lake	1	546,918.00			951	13,742.10	221.5	1,025.00	561,685.10
McHenry					788	4,080.10	157.9	1,183.00	5,263.10
Will					1,044	6,723.10	210.9	4,814.00	11,537.10
Total	1	976,640.00	---	-----	5,681	38,554.75	1,635.4	18,835.00	1,034,029.75





REGION 3A - COUNTY SUMMARY

REGION 3A (18 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Adams					2,524	2,643.55	207.2	8,748.00	11,391.55
Brown					1,032	1,027.60	86.7	328.00	1,355.60
Calhoun					535	4,203.07	105.8	18,623.00	22,826.07
Cass					501	4,513.20	104.0	2,743.00	7,256.20
Christian					371	4,445.10	118.1	474.00	4,919.10
Greene					1,271	1,145.55	119.6	4,469.00	5,614.55
Hancock					1,202	757.75	211.6	13,443.00	14,200.75
Jersey					991	2,149.60	91.8	6,518.00	8,667.60
Logan					173	377.30	140.5	605.00	982.30
Macoupin					2,727	4,330.39	139.7	320.00	4,650.39
Mason					299	14,220.40	73.0	1,757.00	15,977.40
Menard					306	451.80	89.3	785.00	1,236.80
Montgomery					1,105	4,819.40	119.8	420.00	5,239.40
Morgan					863	2,791.27	106.6	937.00	3,728.27
Pike					1,967	2,666.32	245.9	9,457.00	12,123.32
Sangamon					944	5,422.80	247.5	1,156.00	6,578.80
Schuyler					994	1,454.65	106.6	401.00	1,855.65
Scott					435	586.30	113.5	2,201.00	2,787.30
Total	---	-----	---	-----	18,240	58,006.05	2,427.2	73,385.00	131,391.05



Table 2e. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION 3B - COUNTY SUMMARY

REGION 3B (16 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Champaign					125	384.50	120.8	374.00	758.50
Clark					1,143	1,731.30	89.0	651.00	2,382.30
Coles					264	890.40	106.7	492.00	1,382.40
Cumberland					791	686.80	110.3	268.00	954.80
DeWitt					215	5,219.50	86.0	215.00	5,434.50
Douglas					143	248.70	87.4	304.00	552.70
Edgar					244	466.00	98.4	161.00	627.00
Ford					87	178.60	40.5	106.00	284.60
Iroquois					140	541.00	148.5	923.00	1,464.00
Livingston					392	685.20	119.4	936.00	1,621.20
Macon					172	3,345.80	95.5	326.00	3,671.80
McLean					564	2,102.80	177.6	552.00	2,654.80
Moultrie			-	5,550.00	237	236.50	27.3	75.00	5,861.50
Piatt					78	170.80	73.4	274.00	444.80
Shelby			1	5,550.00	675	890.34	131.1	318.00	6,758.34
Vermilion					252	1,866.90	164.2	1,003.00	2,869.90
Total	---	-----	1	11,100.00	5,522	19,645.14	1,676.1	6,978.00	37,723.14





Table 2f. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION 4 - COUNTY SUMMARY

REGION 4 (7 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Bond			-	850.00	1,293	2,041.50	58.1	247.00	3,138.50
Clinton			1	18,930.00	941	799.20	141.4	744.00	20,473.20
Madison					2,169	6,435.15	166.9	5,145.00	11,580.15
Monroe					1,578	1,903.40	103.6	5,159.00	7,062.40
Randolph					1,311	2,834.60	141.8	6,044.00	8,878.60
St. Clair					1,551	3,830.91	123.6	2,277.00	6,107.91
Washington					1,479	1,690.09	76.6	521.00	2,211.09
Total	---	-----	1	19,780.00	10,322	19,534.85	812.0	20,137.00	59,451.85



Table 2g. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Alexander					368	2,294.45	127.7	7,599.00	9,893.45
Clay					1,107	820.40	143.7	430.00	1,250.40
Crawford					1,260	935.20	115.5	1,089.00	2,024.20
Edwards					768	467.35	13.8	111.00	578.35
Effingham					1,011	1,259.70	100.3	180.00	1,439.70
Fayette	-	4,800.00	1,250	1,780.25			113.2	722.00	7,302.25
Franklin	1	8,878.00	1,660	2,236.40			58.0	252.00	11,366.40
Gallatin			438	633.90			60.5	1,273.00	1,906.90
Hamilton			1,555	872.90			67.5	181.00	1,053.90
Hardin			486	419.40			23.1	102.00	521.40
Jackson			1,486	4,976.90			132.6	4,127.00	9,103.90
Jasper			1,254	2,604.40			103.4	727.00	3,331.40
Jefferson	-	10,022.00	2,291	1,512.30			62.0	147.00	11,681.30
Johnson			1,749	2,939.80			104.5	216.00	3,155.80

continued





Table 2g. Number (or Miles) and Acres of Surface Waters by Water Type (1982)

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)-continued									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Lawrence					745	686.00	94.3	1,494.00	2,180.00
Marion					1,745	3,059.20	64.3	125.00	3,184.20
Massac					910	1,267.40	20.0	86.00	1,353.40
Perry					1,466	2,159.80	80.1	205.00	2,364.80
Pope					1,016	873.67	78.3	196.00	1,069.67
Pulaski					781	592.80	25.4	107.00	699.80
Richland					899	1,890.10	42.6	144.00	2,034.10
Saline					1,236	2,367.10	83.5	252.00	2,619.10
Union					1,963	3,061.50	65.3	3,014.00	6,075.50
Wabash					496	340.25	76.3	2,259.00	2,599.25
Wayne					2,154	1,500.60	112.0	422.00	1,922.60
White					913	963.30	133.8	3,274.00	4,237.30
Williamson					1,976	12,414.80	76.0	279.00	12,693.80
Total	---	-----	1	23,700.00	32,983	54,929.87	2,177.7	29,013.00	107,642.87



REGIONAL AND COUNTY SUMMARY  
OF IMPOUNDMENTS  
BY OWNERSHIP CATEGORY





TABLE 3. Number and Acres of Impoundments by Ownership Category (1982).

REGION SUMMARY

Region	No.	State		Public		Organization		Commercial		Private		Total	
		Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.
1A	11	615.70	26	4,896.80	57	2,299.20	21	217.60	1,533	2,691.65	1,648	10,720.95	
1B	25	9,172.40	44	9,233.90	401	4,083.10	64	645.70	9,385	23,397.69	9,919	46,532.79	
2	51	2,685.50	260	11,561.75	924	11,581.70	91	376.30	4,355	12,349.50	5,681	38,554.75	
3A	25	4,535.90	98	23,114.40	134	2,220.50	97	591.70	17,886	27,543.55	18,240	58,006.05	
3B	44	5,598.00	88	7,407.60	175	1,246.50	37	170.50	5,178	5,222.54	5,522	19,645.14	
4	7	2,721.30	30	1,655.90	171	1,525.10	122	707.40	9,992	12,925.15	10,322	19,534.85	
5	<u>57</u>	<u>6,521.05</u>	<u>101</u>	<u>19,761.20</u>	<u>122</u>	<u>1,895.40</u>	<u>75</u>	<u>336.00</u>	<u>32,628</u>	<u>26,416.22</u>	<u>32,983</u>	<u>54,929.87</u>	
Total	220	31,849.85	647	77,631.55	1,984	24,851.50	507	3,045.20	80,957	110,546.30	84,315	247,924.40	



TABLE 3a. Number and Acres of Impoundments by Ownership Category (1982).

REGION 1A - COUNTY SUMMARY

REGION 1A (9 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Boone			2	2.40	6	425.60	1	1.00	108	113.50	117	542.50
Carroll	1	1.00	3	3,950.00	1	600.00	1	8.60	139	365.90	145	4,925.50
DeKalb	1	320.00	1	3.80	8	28.00	5	38.70	162	215.70	177	606.20
JoDaviess			4	503.00	3	621.00			157	353.50	164	1,477.50
Lee					4	86.00	6	57.40	385	601.50	395	744.90
Ogle					7	79.00	2	24.00	144	182.95	153	285.95
Stephenson	1	43.40	2	4.00	2	10.00			131	209.90	136	267.30
Whiteside	5	87.60	4	367.50	4	41.50	2	15.50	137	297.80	152	809.90
Winnebago	<u>3</u>	<u>163.70</u>	<u>10</u>	<u>66.10</u>	<u>22</u>	<u>408.10</u>	<u>4</u>	<u>72.40</u>	<u>170</u>	<u>350.90</u>	<u>209</u>	<u>1,061.20</u>
Total	11	615.70	26	4,896.80	57	2,299.20	21	217.60	1,533	2,691.65	1,648	10,720.95





REGION 1B - COUNTY SUMMARY

REGION 1B (16 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Bureau	3	534.00	1	724.50	16	223.20			233	705.70	253	2,187.40
Fulton	2	2,746.80	6	293.00	131	771.60	18	523.10	2,535	7,628.60	2,692	11,963.10
Henderson	1	27.00	2	144.70	1	375.00			290	475.55	294	1,022.25
Henry	8	67.50	2	6.50	45	212.70			363	603.30	418	890.00
Knox			1	132.50	114	577.00	1	19.50	1,467	1,620.50	1,583	2,349.50
LaSalle			2	70.20	13	397.20	4	11.00	618	3,016.55	637	3,494.95
Marshall	3	3,869.00			5	254.50			137	1,992.00	145	6,115.50
McDonough	1	95.10	4	285.90	3	7.30	3	5.00	613	398.10	624	791.40
Mercer			3	627.00	3	190.00	4	38.00	560	614.10	570	1,469.10
Peoria			5	35.10	25	154.60	6	7.70	946	1,414.29	982	1,611.69
Putnam			5	6,669.00	4	130.50	4	0.80	97	450.10	110	7,250.40
Rock Island			5	171.40	1	55.00	8	12.40	301	538.20	315	777.00
Stark					1	25.00			93	165.40	94	190.40
Tazewell	7	1,833.00	6	30.50	30	352.20	7	15.40	417	1,974.90	467	4,206.00
Warren			1	13.60	3	322.90			321	379.00	325	715.50
Woodford			1	30.00	6	34.40	9	12.80	394	1,421.40	410	1,498.60
Total	25	9,172.40	44	9,233.90	401	4,083.10	64	645.70	9,385	23,397.69	9,919	46,532.79



TABLE 3c. Number and Acres of Impoundments by Ownership Category (1982).

## REGION 2 - COUNTY SUMMARY

## REGION 2 (9 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cook	4	434.20	127	4,606.05	292	1,258.60	11	36.50	843	1,440.50	1,277	7,775.85
DuPage			61	329.00	155	493.50	9	13.10	353	388.60	578	1,224.20
Grundy	12	1,974.50			89	850.10	2	60.00	141	536.95	244	3,421.55
Kane			7	67.60	63	281.40	44	36.20	372	424.40	486	809.60
Kankakee			2	9.50	11	138.60	5	27.50	125	348.90	143	524.50
Kendall	10	26.30	2	3.90	12	48.80			146	174.75	170	253.75
Lake	15	84.70	49	6,208.00	127	5,029.30	4	28.60	756	2,391.50	951	13,742.10
McHenry	8	75.50	5	323.40	38	2,662.70	10	22.60	727	995.90	788	4,080.10
Will	<u>2</u>	<u>90.30</u>	<u>7</u>	<u>14.30</u>	<u>137</u>	<u>818.70</u>	<u>6</u>	<u>151.80</u>	<u>892</u>	<u>5,648.00</u>	<u>1,044</u>	<u>6,723.10</u>
Total	51	2,685.50	260	11,561.75	924	11,581.70	91	376.30	4,355	12,349.50	5,681	38,554.75



REGION 3A - COUNTY SUMMARY

REGION 3A (18 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Adams	1	58.00	7	30.60	8	92.00	5	98.50	2,503	2,364.45	2,524	2,643.55
Brown	-		1	26.10			3	4.50	1,028	997.00	1,032	1,027.60
Calhoun			10	2,943.10	18	638.40			507	621.57	535	4,203.07
Cass	-	600.00	2	627.00	11	32.00	2	4.00	486	3,250.20	501	4,513.20
Christian	3	2,551.10	10	1,402.10	5	70.00	7	73.40	346	348.50	371	4,445.10
Greene			5	103.70	8	18.50	2	7.70	1,256	1,015.65	1,271	1,145.55
Hancock	1	12.60	5	78.00	1	0.30	2	50.00	1,193	616.85	1,202	757.75
Jersey			8	1,369.10	4	34.80	15	59.80	964	685.90	991	2,149.60
Logan			7	121.80	10	121.80	10	81.90	156	173.60	173	377.30
Macoupin	1	56.60	14	1,439.60	26	403.40	23	121.70	2,663	2,309.09	2,727	4,330.39
Mason	17	1,103.30	5	5,947.50	2	52.90	1	0.50	274	7,116.20	299	14,220.40
Menard			3	2.20	4	208.20			299	241.40	306	451.80
Montgomery			6	2,740.30	10	50.30	6	12.00	1,083	2,016.80	1,105	4,819.40
Morgan			7	1,857.50	8	166.80	2	4.70	846	762.27	863	2,791.27
Pike			2	257.10	1	33.80	4	42.00	1,960	2,333.42	1,967	2,666.32
Sangamon	1	150.50	12	4,286.70	16	82.10	15	31.00	900	872.50	944	5,422.80
Schuyler	1	3.80	1	3.80	2	19.70			990	1,427.35	994	1,454.65
Scott					3	195.50			432	390.80	435	586.30
Total	25	4,535.90	98	23,114.40	134	2,220.50	97	591.70	17,886	27,543.55	18,240	58,006.05





REGION 3B (16 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Champaign			10	117.10	15	106.40	5	22.00	95	139.00	125	384.50
Clark	1	145.60	3	815.10	7	19.60			1,132	751.00	1,143	1,731.30
Coles	2	17.60	5	627.00	1	3.00			256	242.80	264	890.40
Cumberland			3	340.20	4	16.20	1	4.00	783	326.40	791	686.80
Dewitt	2	5,029.40	4	14.50	10	19.70	3	5.00	196	150.90	215	5,219.50
Douglas	1	58.70			3	46.30			139	143.70	143	248.70
Edgar			2	219.50	3	9.00			239	237.50	244	466.00
Ford					5	30.00	1	5.00	81	143.60	87	178.60
Iroquois			1	1.00	10	270.30	4	41.00	125	228.70	140	541.00
Livingston			2	7.10	4	8.00	5	21.60	381	648.50	392	685.20
Macon			6	3,101.20	5	16.20	1	1.00	160	227.40	172	3,345.80
McLean	1	158.00	5	1,347.70	13	77.80	8	52.30	537	467.00	564	2,102.80
Moultrie	1	0.70	26	46.10	10	26.40			200	163.30	237	236.50
Piatt			7	24.10	3	2.50	1	1.30	67	142.90	78	170.80
Shelby	5	3.50	5	523.30	5	23.70	4	6.30	656	333.54	675	890.34
Vermilion	<u>31</u>	<u>184.50</u>	<u>9</u>	<u>223.70</u>	<u>77</u>	<u>571.40</u>	<u>4</u>	<u>11.00</u>	<u>131</u>	<u>876.30</u>	<u>252</u>	<u>1,866.90</u>
Total	44	5,598.00	88	7,407.60	175	1,246.50	37	170.50	5,178	5,222.54	5,522	19,645.14



TABLE 3f. Number and Acres of Impoundments by Ownership Category (1982).

REGION 4 - COUNTY SUMMARY

REGION 4 (7 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Bond			2	800.10	7	48.10	8	67.50	1,276	1,125.80	1,293	2,041.50
Clinton					8	31.50	1	4.50	932	763.20	941	799.20
Madison			9	583.50	43	837.60	26	108.00	2,091	4,906.05	2,169	6,435.15
Monroe			4	46.90	43	160.80	30	81.00	1,501	1,614.70	1,578	1,903.40
Randolph	3	1,351.30	3	94.50	9	67.60	9	105.00	1,287	1,216.20	1,311	2,834.60
St. Clair	3	1,122.00	8	56.20	57	350.20	40	280.50	1,443	2,022.01	1,551	3,830.91
Washington	<u>1</u>	<u>248.00</u>	<u>4</u>	<u>74.70</u>	<u>4</u>	<u>29.30</u>	<u>8</u>	<u>60.90</u>	<u>1,462</u>	<u>1,277.19</u>	<u>1,479</u>	<u>1,690.09</u>
Total	7	2,721.30	30	1,655.90	171	1,525.10	122	707.40	9,992	12,925.15	10,322	19,534.85

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TABLE 3g. Number and Acres of Impoundments by Ownership Category (1982).

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Alexander	1	1,890.00	2	12.60	1	18.80	2	7.50	362	365.55	368	2,294.45
Clay			2	11.40	6	116.40			1,099	692.60	1,107	820.40
Crawford			1	5.50	7	51.30			1,252	878.40	1,260	935.20
Edwards			4	44.20	3	27.40			761	395.75	768	467.35
Effingham			2	606.00	4	15.60	6	43.00	999	595.10	1,011	1,259.70
Fayette	5	50.85	5	761.10	4	25.40	3	22.50	1,233	920.40	1,250	1,780.25
Franklin	1	0.40	15	805.90	7	164.90	3	42.50	1,634	1,222.70	1,660	2,236.40
Gallatin			2	49.60	1	10.20			435	574.10	438	633.90
Hamilton	1	71.30	2	78.10			3	10.60	1,549	712.90	1,555	872.90
Hardin			2	15.00			35	30.10	449	374.30	486	419.40
Jackson	2	150.00	3	2,894.10	13	429.80	2	6.50	1,466	1,496.50	1,486	4,976.90
Jasper	2	1,880.00			4	24.50			1,248	699.90	1,254	2,604.40
Jefferson	1	7.70	4	127.20	4	233.50			2,282	1,143.90	2,291	1,512.30
Johnson	4	296.00	3	178.40	1	18.00	1	50.00	1,740	2,397.40	1,749	2,939.80

continued



TABLE 3g. Number and Acres of Impoundments by Ownership Category (1982).

## REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)-continued												
County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Lawrence	1	40.00	1	9.00	7	71.50			736	565.50	745	686.00
Marion	2	526.50	7	1,521.80	12	165.60	2	14.00	1,722	831.30	1,745	3,059.20
Massac	1	452.00			4	46.60			905	768.80	910	1,267.40
Perry	25	134.70	2	348.00	6	39.30			1,433	1,637.80	1,466	2,159.80
Pope			6	307.50			1	8.00	1,009	558.17	1,016	873.67
Pulaski			1	4.60	1	3.40	7	30.00	772	554.80	781	592.80
Richland			3	1,325.70	1	1.70			895	562.70	899	1,890.10
Saline	1	105.00	13	435.80	4	45.80	5	21.00	1,213	1,759.50	1,236	2,367.10
Union	9	722.60	5	1,025.00	2	5.90			1,947	1,308.00	1,963	3,061.50
Wabash			1	1.00	3	113.80			492	225.45	496	340.25
Wayne	1	194.00	2	14.30	5	51.80			2,146	1,240.50	2,154	1,500.60
White			2	30.30	2	55.90			909	877.10	913	963.30
Williamson			11	9,149.10	20	158.30	5	50.30	1,940	3,057.10	1,976	12,414.80
Total	57	6,521.05	101	19,761.20	122	1,895.40	75	336.00	32,628	26,416.22	32,983	54,929.87



NUMBER AND ACRES  
OF IMPOUNDMENTS  
BY SIZE CATEGORIES





TABLE 4. Statewide Summary of Number and Acres of Impoundments By Size Categories (1982)

IMPOUNDMENTS

Size Categories (Acres)	Artificial		Natural	
	Number	Total Acreage	Number	Total Acreage
0.1 to 0.4	42,912	9,717.50	1,526	386.90
0.5 to 0.9	18,916	11,977.90	838	581.70
1.0 to 5.9	16,020	30,913.50	1,192	2,995.20
6.0 to 10.9	1,045	8,081.20	202	1,639.70
11.0 to 40.9	881	16,376.30	307	6,292.90
41.0 to 100.9	156	9,182.90	90	5,624.70
101.0 to 500.9	79	16,636.60	78	16,361.30
501 PLUS	41	64,654.00	32	46,502.10
TOTAL	80,050	167,539.90	4,265	80,384.50
PERCENT	94.94%	67.58%	5.06%	32.42%

COMBINED TOTAL OF ARTIFICIAL AND NATURAL IMPOUNDMENTS

Size Categories (Acres)	Artificial		Natural	
	Number	Percent	Acreage	Percent
0.1 to 0.4	44,438	52.70	10,104.40	4.08
0.5 to 0.9	19,754	23.43	12,559.60	5.07
1.0 to 5.9	17,212	20.41	33,908.70	13.68
6.0 to 10.9	1,247	1.48	9,720.90	3.92
11.0 to 40.9	1,188	1.41	22,669.20	9.14
41.0 to 100.9	246	0.29	14,807.60	5.97
101.0 to 500.9	157	0.19	32,997.90	13.31
501 PLUS	73	0.09	111,156.10	44.83
TOTAL	84,315	100.00%	247,924.40	100.00%
PONDS (0.1 to 5.9 Acres)	81,404	96.55%	56,572.70	22.82%
LAKES (6.0 Acres Plus)	2,911	3.45%	191,351.70	77.18%



REGIONAL SUMMARY  
OF STREAMS  
BY WIDTH CATEGORIES



Table 5. Miles and Acres of Streams by Width Categories (1982)

REGIONAL SUMMARY

Region	0-20 ft. wide		21-100 ft. wide		101-300 ft. wide		301 plus ft. wide		Total	
	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres
1A	894.9	1,304.00	635.5	3,417.00	104.8	1,518.00	200.5	32,533.00	1,835.7	38,772.00
1B	808.9	1,140.00	1,355.8	7,106.00	151.7	2,123.00	323.5	59,085.00	2,639.9	69,454.00
2	725.6	1,057.00	556.6	3,030.00	206.1	5,115.00	147.1	9,633.00	1,635.4	18,835.00
3A	922.9	1,381.00	1,052.2	5,129.00	157.0	2,940.00	295.1	63,935.00	2,427.2	73,385.00
3B	730.5	1,065.00	829.3	4,116.00	95.8	1,315.00	20.5	482.00	1,676.1	6,978.00
4	133.2	193.00	466.0	2,037.00	102.0	2,163.00	110.8	15,744.00	812.0	20,137.00
5	<u>699.4</u>	<u>1,019.00</u>	<u>1,021.1</u>	<u>5,049.00</u>	<u>175.0</u>	<u>2,579.00</u>	<u>282.2</u>	<u>20,366.00</u>	<u>2,177.7</u>	<u>29,013.00</u>
Total	4,915.4	7,159.00	5,916.5	29,884.00	992.4	17,753.00	1,379.7	201,778.00	13,204.0	256,574.00





ALPHABETICAL LISTING BY COUNTY  
OF SURFACE WATERS,  
BY WATER TYPES



TABLE 6. Alphabetical Listing by County of Surface Waters, by Water Types (1982)

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Adams			2,524	2,643.55			207.2	8,748.00	11,391.55
Alexander			368	2,294.45			127.7	7,599.00	9,893.45
Bond			1,293	2,041.50			58.1	247.00	3,138.50
Boone		850.00	117	542.50			134.7	349.00	891.50
Brown			1,032	1,027.60			86.7	328.00	1,355.60
Bureau			253	2,187.40			280.2	1,464.00	3,651.40
Calhoun			535	4,203.07			105.8	18,623.00	22,826.07
Carroll			145	4,925.50			175.3	9,521.00	14,446.50
Cass			501	4,513.20			104.0	2,743.00	7,256.20
Champaign			125	384.50			120.8	374.00	758.50
Christian			371	4,445.10			118.1	474.00	4,919.10
Clark			1,143	1,731.30			89.0	651.00	2,382.30
Clay			1,107	820.40			143.7	430.00	1,250.40
Clinton			941	799.20			141.4	744.00	20,473.20
Coles		18,930.00	264	890.40			106.7	492.00	1,382.40
Cook			1,277	7,775.85			409.4	3,708.00	441,205.85
Crawford		429,722.00	1,260	935.20			115.5	1,089.00	2,024.20
Cumberland			791	686.80			110.3	268.00	954.80
DeKalb			177	606.20			249.8	617.00	1,223.20
Dewitt			215	5,219.50			86.0	215.00	5,434.50
Douglas			143	248.70			87.4	304.00	552.70
DuPage			578	1,224.20			111.1	574.00	1,798.20
Edgar			244	466.00			98.4	161.00	627.00
Edwards			768	467.35			13.8	111.00	578.35
Effingham			1,011	1,259.70			100.3	180.00	1,439.70
Fayette			1,250	1,780.25			113.2	722.00	7,302.25
Ford		4,800.00	87	178.60			40.5	106.00	284.60
Franklin			1,660	2,236.40			58.0	252.00	11,366.40
Fulton		8,878.00	2,692	11,963.10			310.2	3,122.00	15,085.10
Gallatin			438	633.90			60.5	1,273.00	1,906.90



TABLE 6 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Greene			1,271	1,145.55			119.6	4,469.00	5,614.55
Grundy			244	3,421.55			158.9	2,931.00	6,352.55
Hamilton			1,555	872.90			67.5	181.00	1,053.90
Hancock			1,202	757.75			211.6	13,443.00	14,200.75
Hardin			486	419.40			23.1	102.00	521.40
Henderson			294	1,022.25			131.0	12,110.00	13,132.25
Henry			418	890.00			196.6	1,964.00	2,854.00
Iroquois			140	541.00			148.5	923.00	1,464.00
Jackson			1,486	4,976.90			132.6	4,127.00	9,103.90
Jasper			1,254	2,604.40			103.4	727.00	3,331.40
Jefferson			2,291	1,512.30			62.0	147.00	11,681.30
Jersey			991	2,149.60			91.8	6,518.00	8,667.60
JoDavies			164	1,477.50			190.8	9,892.00	11,369.50
Johnson			1,749	2,939.80			104.5	216.00	3,155.80
Kane			486	809.60			194.9	1,534.00	2,343.60
Kankakee			143	524.50			89.7	1,877.00	2,401.50
Kendall			170	253.75			81.1	1,189.00	1,442.75
Knox			1,583	2,349.50			176.3	577.00	2,926.50
Lake	1	546,918.00	951	13,742.10			221.5	1,025.00	561,685.10
LaSalle			637	3,494.95			223.0	5,843.00	9,337.95
Lawrence			745	686.00			94.3	1,494.00	2,180.00
Lee			395	744.90			190.0	2,781.00	3,525.90
Livingston			392	685.20			119.4	936.00	1,621.20
Logan			173	377.30			140.5	605.00	982.30
Macon			172	3,345.80			95.5	326.00	3,671.80
Macoupin			2,727	4,330.39			139.7	320.00	4,650.39
Madison			2,169	6,435.15			166.9	5,145.00	11,580.15
Marion			1,745	3,059.20			64.3	125.00	3,184.20
Marshall			145	6,115.50			90.0	2,706.00	8,821.50
Mason			299	14,220.40			73.0	1,757.00	15,977.40





TABLE 6 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Massac			910	1,267.40			20.0	86.00	1,353.40
McDonough			624	791.40			121.0	270.00	1,061.40
McHenry			788	4,080.10			157.9	1,183.00	5,263.10
McLean			564	2,102.80			177.6	552.00	2,654.80
Menard			306	451.80			89.3	785.00	1,236.80
Mercer			570	1,469.10			167.5	6,910.00	8,379.10
Monroe			1,578	1,903.40			103.6	5,159.00	7,062.40
Montgomery			1,105	4,819.40			119.8	420.00	5,239.40
Morgan			863	2,791.27			106.6	937.00	3,728.27
Moultrie			237	236.50			27.3	75.00	5,861.50
Ogle		5,550.00	153	285.95			200.5	3,072.00	3,357.95
Peoria			982	1,611.69			158.7	496.00	2,107.69
Perry			1,466	2,159.80			80.1	205.00	2,364.80
Piatt			78	170.80			73.4	274.00	444.80
Pike			1,967	2,666.32			245.9	9,457.00	12,123.32
Pope			1,016	873.67			78.3	196.00	1,069.67
Pulaski			781	592.80			25.4	107.00	699.80
Putnam			110	7,250.40			20.4	914.00	8,164.40
Randolph			1,311	2,834.60			141.8	6,044.00	8,878.60
Richland			899	1,890.10			42.6	144.00	2,034.10
Rock Island			315	777.00			237.9	15,912.00	16,689.00
Saline			1,236	2,367.10			83.5	252.00	2,619.10
Sangamon			944	5,422.80			247.5	1,156.00	6,578.80
Schuyler			994	1,454.65			106.6	401.00	1,855.65
Scott			435	586.30			113.5	2,201.00	2,787.30
Shelby			675	890.34			131.1	318.00	6,758.34
Stark			94	190.40			103.4	287.00	477.40
St. Clair			1,551	3,830.91			123.6	2,277.00	6,107.91
Stephenson			136	267.30			152.1	839.00	1,106.30
Tazewell			467	4,206.00			186.0	3,340.00	7,546.00
			1	5,550.00					





TABLE 6 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Union			1,963	3,061.50			65.3	3,014.00	6,075.50
Vermilion			252	1,866.90			164.2	1,003.00	2,869.90
Wabash			496	340.25			76.3	2,259.00	2,599.25
Warren			325	715.50			137.6	574.00	1,289.50
Washington			1,479	1,690.09			76.6	521.00	2,211.09
Wayne			2,154	1,500.60			112.0	422.00	1,922.60
White			913	963.30			133.8	3,274.00	4,237.30
Whiteside			152	809.90			321.2	8,610.00	9,419.90
Will			1,044	6,723.10			210.9	4,814.00	11,537.10
Williamson			1,976	12,414.80			76.0	279.00	12,693.80
Winnebago			209	1,061.20			221.3	3,091.00	4,152.20
Woodford			410	1,498.60			100.1	12,965.00	14,463.60
Illinois	1	976,640.0	3	54,580.00	84,315	247,924.40	13,204.0	256,574.00	1,535,718.40

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